

## **Shabbir Ahmed**

Group Leader, Fuel Processor Engineering  
Argonne National Laboratory  
9700 South Cass Avenue, Bldg. 205  
Argonne, IL 60439  
phone: 630/252-4553  
fax: 630/972-4553  
e-mail: ahmed@cmt.anl.gov

### **Professional Experience**

- Fuel processor design and demonstration for conversion of hydrocarbon fuels for potential use with fuel cell systems in automotive and distributed power applications
- Catalyst development for reforming of alcohols and hydrocarbon fuels
- Technology transfer of fuel-reforming and related technical expertise to industry
- Seminal study of state-of-the-art technology that established the requirements and technology development needs for fuel processing in transportation fuel cell systems
- Performance model to determine temperature, current density, and gas composition distributions in monolithic solid oxide fuel cells
- Mathematical model of pyrolysis and combustion of cellulose and other organic matter in municipal solid waste incinerator

### **Professional Society Activities**

- Organized and chaired American Institute of Chemical Engineers, American Chemical Society, and IECEC sessions and symposia

### **Awards**

- Federal Laboratory Consortium Award for Technology Transfer 2002
- R&D 100 Award 2001
- PNGV Medal 1998
- Argonne Exceptional Performance Award 1998, 1996
- Director's Award 1997
- Pacesetter Award 1996

### **Publications**

- Eight patents
- More than 80 technical papers and presentations

### **Education**

- PhD, Chemical Engineering, University of Nebraska
- MS, Chemical Engineering, Bangladesh University of Engineering and Technology
- BS, Chemical Engineering, Bangladesh University of Engineering and Technology